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79681 David A . Einho	7590 01/13/201 orn, Esq.	EXAMINER		
Baker & Hostet	ler LLP	VAUGHAN, MICHAEL R		
45 Rockefeller Plaza New York, NY 10111		ART UNIT	PAPER NUMBER	
			2431	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)
	10/589,837	BEUN ET AL.
Office Action Summary	Examiner	Art Unit
	MICHAEL R. VAUGHAN	2431
The MAILING DATE of this communication ap Period for Reply	opears on the cover sheet with the	e correspondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING IF Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory perioder Failure to reply within the set or extended period for reply will, by status Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION .136(a). In no event, however, may a reply be discount will apply and will expire SIX (6) MONTHS for the cause the application to become ABANDO	ON. timely filed om the mailing date of this communication. NED (35 U.S.C. § 133).
Status		
1) ☐ Responsive to communication(s) filed on <u>06</u> 2a) ☐ This action is FINAL . 2b) ☐ Th 3) ☐ Since this application is in condition for allow closed in accordance with the practice under	is action is non-final. ance except for formal matters, p	
Disposition of Claims		
4) ☐ Claim(s) 1,5-8,10-18 and 24-47 is/are pendin 4a) Of the above claim(s) is/are withdres 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1,5-8,10-18 and 24-47 is/are rejecte 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/	awn from consideration.	
Application Papers		
9) The specification is objected to by the Examir 10) The drawing(s) filed on is/are: a) accomposed and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct of the oath or declaration is objected to by the Examiration is objected to by the Examiration is objected.	ccepted or b) objected to by the drawing(s) be held in abeyance. Sometion is required if the drawing(s) is	See 37 CFR 1.85(a). objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) ☐ Acknowledgment is made of a claim for foreig a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documer 2. ☐ Certified copies of the priority documer 3. ☐ Copies of the certified copies of the pri application from the International Bures * See the attached detailed Office action for a list	nts have been received. nts have been received in Applic ority documents have been rece au (PCT Rule 17.2(a)).	ation No ived in this National Stage
Attachment(s) 1)	4) 🔲 Interview Summa	
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail 5) Notice of Informa 6) Other:	

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on **10/06/10** has been entered.

Claims 1 and 36 have been amended. Accordingly, claims 1, 5-8, 10-18, and 24-47 are pending.

Response to Amendment

Claim Objections

Claims 39-41 are objected for the phrasing of the preamble. It is suggested that claim preamble be rewritten such that something physical is being claimed and the dependent claims then refer back to the physical object. For example the preamble could read:

"A non-transitory computer readable medium of a digital data reception equipment (2) that can cooperate with a plurality of external security modules (6, 8)

each having a unique identifier and in which information about access rights of a subscriber to digital data distributed by an operator are stored, said digital data reception equipment comprising a computer for executing an executable computer program, stored in said non-transitory computer readable medium, including instructions for:"

Dependent claims 40 and 41 should then refer back to the non-transitory computer readable medium of claim 39.

Claim 36 is objected to because of an ambiguity in the preamble. Its unclear what "a plurality of access control cards of a plurality of external security modules" means. For purposes of examination, this phrase is being interpreted to mean each of the access control cards have a security module being external to the digital data reception equipment.

Response to Arguments

Applicant's arguments with respect to claims 1 and 36 have been considered but are most in view of the new ground(s) of rejection. It is noted that no arguments have been presented for claims 29-35 and 39-42 nor have they been amended to incorporate the new features of claims 1 and 36. As such those rejections are being maintained.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 5-8, 10-18, and 24-28, 36-38, and 43-47 are rejected under 35 U.S.C. 103(a) as being unpatentable over USP 6,405,369 to Tsuria in view of USP Application Publication 2006/0161976 to Kahn et al., hereinafter Kahn.

As per claim 1, Tsuria teaches a method for an operator to dynamically and remotely control the pairing of digital data reception equipment (2) with one or more external security modules (6, 8) each having a unique identifier (col. 3, lines 3-15) and with each security module being adapted to cooperate with said digital data reception equipment for controlling reception of distributed data by means of said digital data reception equipment and with the digital data reception equipment having a computer and stored program [decoder and programmed for activation; col. 7, lines 35-38], method comprising the following steps (col. 1, lines 54-65):

using the computer to verify whether or not the identifier of said external security modules is memorized in the digital data reception equipment upon connection of said external security modules to the digital data reception equipment [second card is inserted in to the receiver to validate and identify the signature of said second card; col. 7, lines 44-53],

if the unique identifier of the external security modules is memorized in the digital data reception equipment, transmitting a control signal to the digital data reception

equipment defining configuration parameters to activate the pairing of the said digital data reception equipment with said external security modules [chaining data; col. 7, lines 45-48];

if the unique identifier of the external security modules is not memorized in the digital data reception equipment, transmitting a control signal to the digital data reception equipment defining configuration parameters to deactivate the pairing of the said digital data reception equipment with said external security modules [inherent that if the smart card's signature is not validated, there will be no pairing; col. 5, lines 15-18 and col. 7, lines 45-48]; wherein

said configuration parameters include at least one of the following set values: - authorize memorization, - prohibit memorization, - erase identifiers previously memorized in the reception equipment (2), - activate or deactivating the check phase (col. 3, lines 27-31) including a procedure consisting of disturbing the data processing if the identifier of the connected external security module (6, 8) is not previously memorized in the reception equipment (col. 5, lines 10-15).

With respect to the claim, Tsuria fails to teach pairing more than one security module to a particular reception equipment and transmitting an updated list of external security module identifiers to the digital data reception equipment. Kahn teaches pairing more than CAM (security module) to an IRD (digital reception equipment) based on the generation of a selective list (0041). As an option, a selective list, converse to blacklists, can specify which CAMs an IRD can successfully pair with. As later generations, selective lists are used to identity CAMs which can be paired to an IRD

while preventing others from being paired because of their security demise (0043). Kahn shows that and IRD can contain a list of all the CAMs that it may pair with. Absent of being on the list, precludes a particular CAM from being paired. Kahn teaches that security modules that have been comprised/hacked/cloned can be removed from the selective list, effectively blacklisting them to prevent illegal content decoding. As such, it is advantageous to prevent security modules that have been compromised from successfully decoding protected content. Kahn teaches a way of doing this by using selective list identifying legitimate external security module identifiers. The claim is obvious because one of ordinary skill in the art can combine known methods which produce predictable results.

As per claim 5, Tsuria teaches that said signal also includes the maximum allowable number of memorized identifiers (col. 9, lines 5-8).

As per claim 6, Tsuria teaches signal includes a reconfiguration set value through which an updated list of identifiers of external security modules (6, 8) matched with the reception equipment(2) is transmitted to said reception equipment (col. 7, lines 29-35).

As per claim 7, Tsuria teaches list is transmitted directly to the reception equipment (col. 6, lines 55-59).

As per claim 8, Tsuria teaches list is transmitted through an external security module (6, 8) connected to said reception equipment (col. 6, lines 40-45).

As per claim 10, Tsuria teaches data are distributed without encryption or scrambled by an encrypted control word and in that each external security module (6, 8)

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includes access rights to said data and a decryption algorithm for said control word (col. 5, line s35-40).

As per claim 11, Tsuria teaches said signal is transmitted to a reception equipment (2) in an EMM message specific to an 25 external security module (6, 8) associated with this reception equipment (col. 6, lines 55-60).

As per claim 12, Tsuria teaches a signal is transmitted to a reception equipment (2) in an EMM message specific to this reception equipment (col. 6, lines 55-60).

As per claim 13, Tsuria teaches a given reception equipment (2) said list is transmitted in an EMM message specific to a security module (6, 8) associated with this reception equipment (col. 6, lines 55-60).

As per claim 14, Tsuria teaches a signal is transmitted to a group of reception equipment (2) in an EMM message specific to a group of external security modules (6, 8) associated with said reception equipment (col. 6, lines 55-60).

As per claim 15, Tsuria teaches signal is transmitted to a group of reception equipment (2) in an EMM message specific to said group of reception equipment (col. 6, lines 55-60).

As per claim 16, Tsuria teaches a given group of reception equipment (2), said list is transmitted in an EMM message specific to a group of external security modules (6, 8) associated with said reception equipment (col. 6, lines 55-60).

As per claim 17, Tsuria teaches said check signal is transmitted in a private flow processed by a dedicated software executable in each reception equipment as a

function of the identifier of the external security module associated with said reception equipment (col. 6, lines 55-60).

As per claim 18, Tsuria teaches a given group of reception equipment (2), said list is transmitted in a private flow to each reception equipment (col. 6, lines 55-60).

As per claim 24, Tsuria teaches identifiers of external security modules (6, 8) are grouped in an encrypted list (col.2, lines 29-30).

As per claim 25, Tsuria teaches reception equipment (2) includes a decoder and the external security module (6, 8) includes an access control card (6) in which information about access rights of a subscriber to digital data distributed by an operator is memorized, and in that matching is done between said decoder and said card (6). (col. 2, lines 46-50).

As per claim 26, Tsuria teaches that the reception equipment (2) includes a decoder and the external security module (6, 8) includes a removable security interface (8) provided with a non-volatile memory that can cooperate firstly with the decoder, and secondly with a plurality of conditional access control cards (6) to manage access to digital data distributed by an operator, and in that matching is done between said decoder and said removable security interface (col. 1, lines 55-60 and col. 2, lines 45-55).

As per claim 27, Tsuria teaches the reception equipment (2) includes a decoder provided with a removable security interface (8) with a non-volatile memory that can cooperate firstly with said decoder, and secondly with a plurality of conditional access

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control cards (6), and in that matching is done between said removable security interface (8) and said access control cards (col. 2, lines 45-55).

As per claim 28, Tsuria teaches the data are audiovisual programs (col. 1, line 50).

As per claim 36, Tsuria teaches a removable security interface including a non-volatile memory and designed to cooperate firstly with digital data reception equipment having a decoder and secondly, having and secondly with a plurality of conditional access control cards to manage access to digital data distributed by an operator, each access control card having a unique identifier and containing information about access rights of a subscriber to said digital data, with said removable security interface further comprising means for recording the identifier of each access control card in said non-volatile memory (col. 1, lines 61-65 and col. 3, lines 1-5), and at least one data processing algorithm for use by said decoder to activate or deactivate the pairing of the reception equipment to the controls cards (col. 7, lines 44-53).

With respect to the claim, Tsuria fails to teach pairing more than one security module to a particular reception equipment. Kahn teaches pairing more than CAM (security module) to an IRD (digital reception equipment) based on the generation of a selective list (0041). As an option, a selective list, converse to blacklists, can specify which CAMs an IRD can successfully pair with. As later generations, selective lists are used to identity CAMs which can be paired to an IRD while preventing others from being paired because of their security demise (0043). Kahn shows that and IRD can contain a list of all the CAMs that it may pair with. The absence of being on the list precludes a

particular CAM from being paired. Kahn teaches that security modules that have been comprised/hacked/cloned can be removed from the selective list, effectively blacklisting them to prevent illegal content decoding. As an example, an IRD came be prevented from using an older CAM but then allowed to successfully pair with a newer generation CAM for security reasons. As such, it is advantageous to prevent security modules that have been compromised from successfully decoding protected content. Kahn teaches a way of doing this by using selective list identifying legitimate external security module identifiers. The claim is obvious because one of ordinary skill in the art can combine known methods which produce predictable results.

As per claim 37, Tsuria teaches a PCMCIA card on which digital data descrambling software is installed (col. 1, lines 10-15).

As per claim 38, Tsuria teaches the removable security interface consists of a software module (col. 6, lines 50-54).

As per claim 43, Tsuria teaches said signal is transmitted to a reception equipment (2) in an EMM message specific to an 25 external security module (6, 8) associated with this reception equipment (col. 6, lines 55-60).

As per claim 44, Tsuria teaches a signal is transmitted to a reception equipment (2) in an EMM message specific to this reception equipment (col. 6, lines 55-60).

As per claim 45, Tsuria teaches a signal is transmitted to a group of reception equipment (2) in an EMM message specific to a group of external security modules (6, 8) associated with said reception equipment (col. 6, lines 55-60).

As per claim 46, Tsuria teaches signal is transmitted to a group of reception equipment (2) in an EMM message specific to said group of reception equipment (col. 6, lines 55-60).

As per claim 47, Tsuria teaches said check signal is transmitted in a private flow processed by a dedicated software executable in each reception equipment as a function of the identifier of the external security module associated with said reception equipment (col. 6, lines 55-60).

Claims 29-35 and 39-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tsuria in view of USP 7,457,967 to Cocchi et al., hereinafter Cocchi.

As per claim 29, Tsuria teaches a digital data reception equipment for pairing to one or more external security modules (6, 8) each having an unique identifier [signature]

to manage access to digital data distributed by an operator (col. 1, lines 61-65 and col.

3, lines 1-5), comprising means for executing a computer program in a readable medium for:

verifying whether or not the identifier in said external security modules (6, 8) is already memorized in the digital data reception equipment (2) upon connection of

said external security modules (6, 8) to the digital data reception equipment [second card is inserted in to the receiver to validate and identify the signature of said second card; col. 7, lines 44-53],

activating the pairing of said digital data reception equipment (2) with said external security modules (6, 8) if the unique identifier of the external security modules (6, 8) is already memorized in the digital data reception equipment (2) [chaining data; col. 7, lines 45-48] and

deactivating the pairing of said digital data reception equipment (2) with said external security modules (6, 8) if the unique identifier in the external security modules (6, 8) is not already memorized in the digital data reception equipment (2) [inherent that if the smart card's signature is not validated, there will be no pairing; col. 7, lines 45-48].

With respect to the claim, Tsuria fails to teach transmitting an updated list of external security module identifiers to the digital data reception equipment. Cocchi teaches transmitting an updated list of external security module identifiers to the digital data reception equipment (col. 11, lines 37-57). Tsuria teaches that once a time expiration has occurred the smart cards will not decode the content. Cocchi teaches another reason why decoding may be prevented. Cocchi teaches that security modules that have been comprised/hacked/cloned can be blacklisted to prevent them from decoding protected content (col. 11, lines 28-35). As such it is advantageous to prevent security modules that have been compromised from successfully decoding protected content. Cocchi teaches a way of doing this by sending updated list external security

module identifiers. The claim is obvious because one of ordinary skill in the art can combine known methods which produce predictable results.

As per claim 30, Tsuria teaches it comprises a decoder and in that the external security module (6, 8) is an access control card (6) containing information about access rights of a subscriber to said digital data, matching being done between said decoder and said card (col. 2, lines 45-55).

As per claim 31, Tsuria teaches a decoder and in that the external security module (6, 8) is a removable security interface (8) provided with a non-volatile memory and that is designed to cooperate firstly with said decoder, and secondly with a plurality of conditional access control cards (6), to manage access to said digital data, matching being done between said decoder and said removable security interface (col. 1, lines 55-60 and col. 2, lines 45-55).

As per claim 32, Tsuria teaches a decoder provided with a removable security interface (8) with a non-volatile memory and that is designed to cooperate firstly with said decoder and secondly with a plurality of conditional access control cards (6) and in that matching is done between said removable security interface (8) and said access control cards (col. 2, lines 45-55).

As per claim 33, Tsuria teaches a decoder that can cooperate with a plurality of external security modules (6, 8) to manage access to audiovisual programs distributed by an operator, each external security module (6, 8) having a unique identifier and

including at least one data processing algorithm, with said decoder in comprising means responsive to said processing algorithm for executing orders sent by the operator for:

verifying whether or not the identifier in said external security modules (6, 8) is already memorized in the digital data reception equipment (2) upon connection of said external security modules (6, 8) to the digital data reception equipment [second card is inserted in to the receiver to validate and identify the signature of said second card; col. 7, lines 44-53],

activating the pairing of said digital data reception equipment (2) with said external security modules (6, 8) if the unique identifier of the external security modules (6, 8) is already memorized in the digital data reception equipment (2) [chaining data; col. 7, lines 45-48] and

deactivating the pairing of said digital data reception equipment (2) with said external security modules (6, 8) if the unique identifier in the external security modules (6, 8) is not already memorized in the digital data reception equipment (2) [inherent that if the smart card's signature is not validated, there will be no pairing; col. 7, lines 45-48].

For the record, "a decoder that can" implies intended use, not functional descriptive material.

With respect to the claim, Tsuria fails to teach transmitting an updated list of external security module identifiers to the digital data reception equipment. Cocchi teaches transmitting an updated list of external security module identifiers to the digital data reception equipment (col. 11, lines 37-57). Tsuria teaches that once a time

expiration has occurred the smart cards will not decode the content. Cocchi teaches another reason why decoding may be prevented. Cocchi teaches that security modules that have been comprised/hacked/cloned can be blacklisted to prevent them from decoding protected content (col. 11, lines 28-35). As such it is advantageous to prevent security modules that have been compromised from successfully decoding protected content. Cocchi teaches a way of doing this by sending updated list external security module identifiers. The claim is obvious because one of ordinary skill in the art can combine known methods which produce predictable results.

As per claim 34, Tsuria teaches external security modules (6, 8) are access control cards (6) in which information about access rights of a subscriber to digital data distributed by an operator are stored (col. 2, line 38).

As per claim 35, Tsuria teaches external security modules (6, 8) are removable security interfaces (8) including a non-volatile memory that can cooperate firstly with the decoder and secondly with a plurality of conditional access control cards (6) to manage access to digital data distributed by an operator (col. 6, lines 52-60).

As per claim 39, Tsuria teaches an executable computer program stored in a computer readable medium of a digital data reception equipment (2) that can cooperate with a plurality of external security modules (6, 8) each having a unique identifier and in which information about access rights of a subscriber to digital data distributed by an

operator are stored, said digital data reception equipment comprising a computer for executing said executable computer program includes instructions for:

verifying whether or not the identifier in said external security modules (6, 8) is already memorized in the digital data reception equipment (2) upon connection of said external security modules (6, 8) to the digital data reception equipment [second card is inserted in to the receiver to validate and identify the signature of said second card; col. 7, lines 44-53],

activating the pairing of said digital data reception equipment (2) with said external security modules (6, 8) if the unique identifier of the external security modules (6, 8) is already memorized in the digital data reception equipment (2) [chaining data; col. 7, lines 45-48] and

deactivating the pairing of said digital data reception equipment (2) with said external security modules (6, 8) if the unique identifier in the external security modules (6, 8) is not already memorized in the digital data reception equipment (2) [inherent that if the smart card's signature is not validated, there will be no pairing; col. 7, lines 45-48].

For the record, "an executable computer program ... that can" implies intended use rather than functional descriptive material.

With respect to the claim, Tsuria fails to teach transmitting an updated list of external security module identifiers to the digital data reception equipment. Cocchi teaches transmitting an updated list of external security module identifiers to the digital data reception equipment (col. 11, lines 37-57). Tsuria teaches that once a time

expiration has occurred the smart cards will not decode the content. Cocchi teaches another reason why decoding may be prevented. Cocchi teaches that security modules that have been comprised/hacked/cloned can be blacklisted to prevent them from decoding protected content (col. 11, lines 28-35). As such it is advantageous to prevent security modules that have been compromised from successfully decoding protected content. Cocchi teaches a way of doing this by sending updated list external security module identifiers. The claim is obvious because one of ordinary skill in the art can combine known methods which produce predictable results.

As per claim 40, Tsuria teaches instructions to locally generate matching control parameters of the reception equipment (2) with an external security module (6, 8) as a function of a signal transmitted to said reception equipment (2) by the operator (col. 6, lines 55-60).

As per claim 41, Tsuria teaches instructions intended to check if the identifier of said external security module (6, 8) is memorized in the reception equipment (2), at each later use of an external security module (6, 8) with the reception equipment (col. 3, lines 15-20).

As per claim 42, Tsuria teaches a system comprising a management platform and a digital data reception equipment (2) connected to services broadcasting network, for communication with the digital data reception equipment and with the digital data

reception equipment (2) being paired with a plurality of external security modules (col. 1, lines 61-65 and col. 3, lines 1-5), each having a unique identifier wherein the system further comprises:

a first module arranged in said commercial management platform (1) for generating matching queries (col. 3, lines 15-20),

a second module arranged in said digital data reception equipment (2) that will process the generated queries from the first module to prepare a pairing configuration to control said pairing (col. 3, lines 20-35), using pairing control parameters generated by a computer in said digital data reception equipment based upon [chaining data]

verifying whether or not the identifier in said external security modules (6, 8) is already memorized in the digital data reception equipment (2) upon connection of said external security modules (6, 8) to the digital data reception equipment [second card is inserted in to the receiver to validate and identify the signature of said second card; col. 7, lines 44-53],

activating the pairing of said digital data reception equipment (2) with said external security modules (6, 8) if the unique identifier of the external security modules (6, 8) is already memorized in the digital data reception equipment (2) [chaining data; col. 7, lines 45-48] and

deactivating the pairing of said digital data reception equipment (2) with said external security modules (6, 8) if the unique identifier in the external security modules (6, 8) is not already memorized in the digital data reception equipment (2)

[inherent that if the smart card's signature is not validated, there will be no pairing; col. 7, lines 45-48].

With respect to the claim, Tsuria fails to teach transmitting an updated list of external security module identifiers to the digital data reception equipment. Cocchi teaches transmitting an updated list of external security module identifiers to the digital data reception equipment (col. 11, lines 37-57). Tsuria teaches that once a time expiration has occurred the smart cards will not decode the content. Cocchi teaches another reason why decoding may be prevented. Cocchi teaches that security modules that have been comprised/hacked/cloned can be blacklisted to prevent them from decoding protected content (col. 11, lines 28-35). As such it is advantageous to prevent security modules that have been compromised from successfully decoding protected content. Cocchi teaches a way of doing this by sending updated list external security module identifiers. The claim is obvious because one of ordinary skill in the art can combine known methods which produce predictable results.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL R. VAUGHAN whose telephone number is (571)270-7316. The examiner can normally be reached on Monday - Thursday, 7:30am - 5:00pm, EST. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Korzuch can be reached on 571-272-7589. The fax

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phone number for the organization where this application or proceeding is assigned is

571-273-8300.

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/M. R. V./

Examiner, Art Unit 2431

/William R. Korzuch/

Supervisory Patent Examiner, Art Unit 2431